

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414466

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1974 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

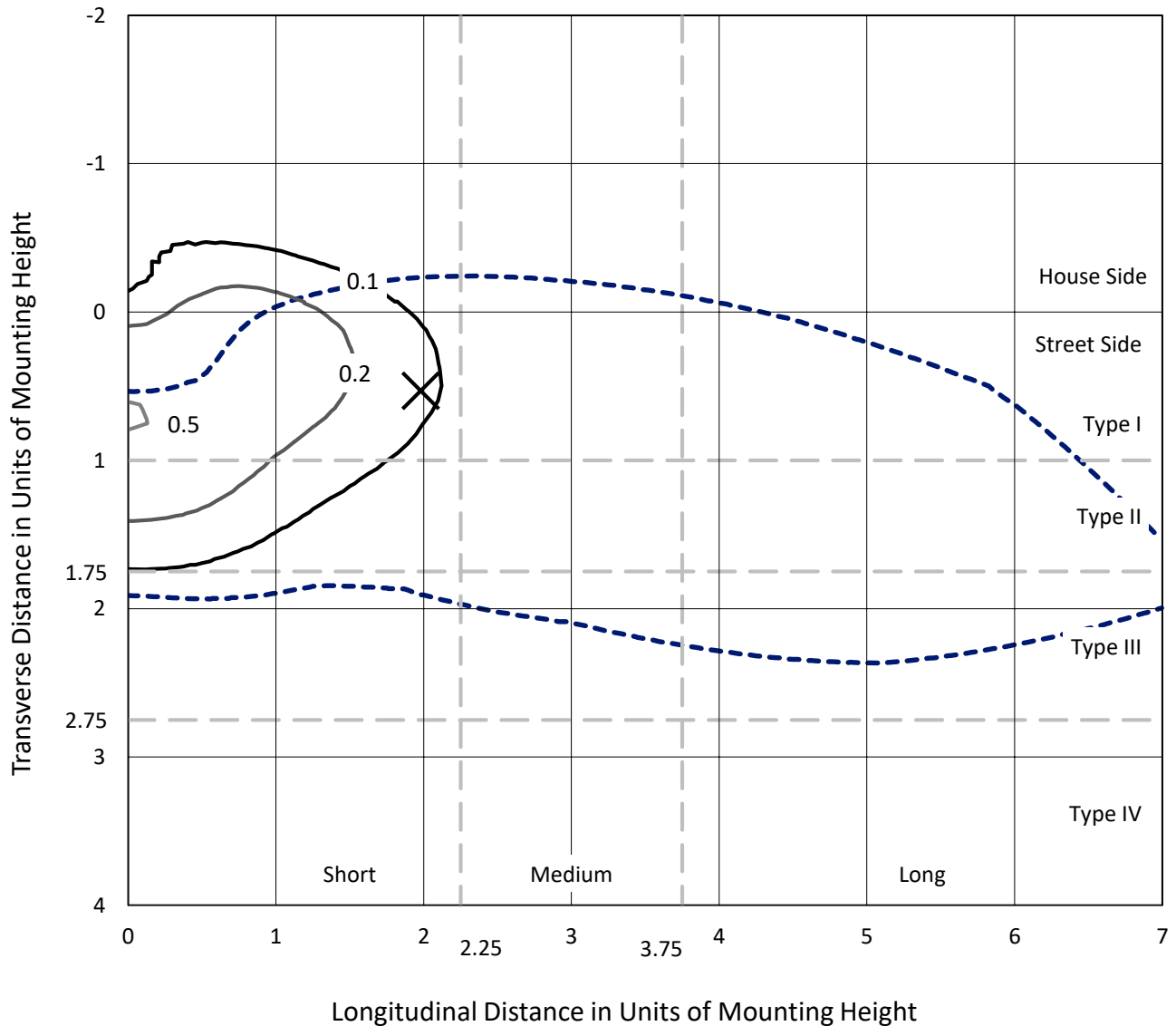
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

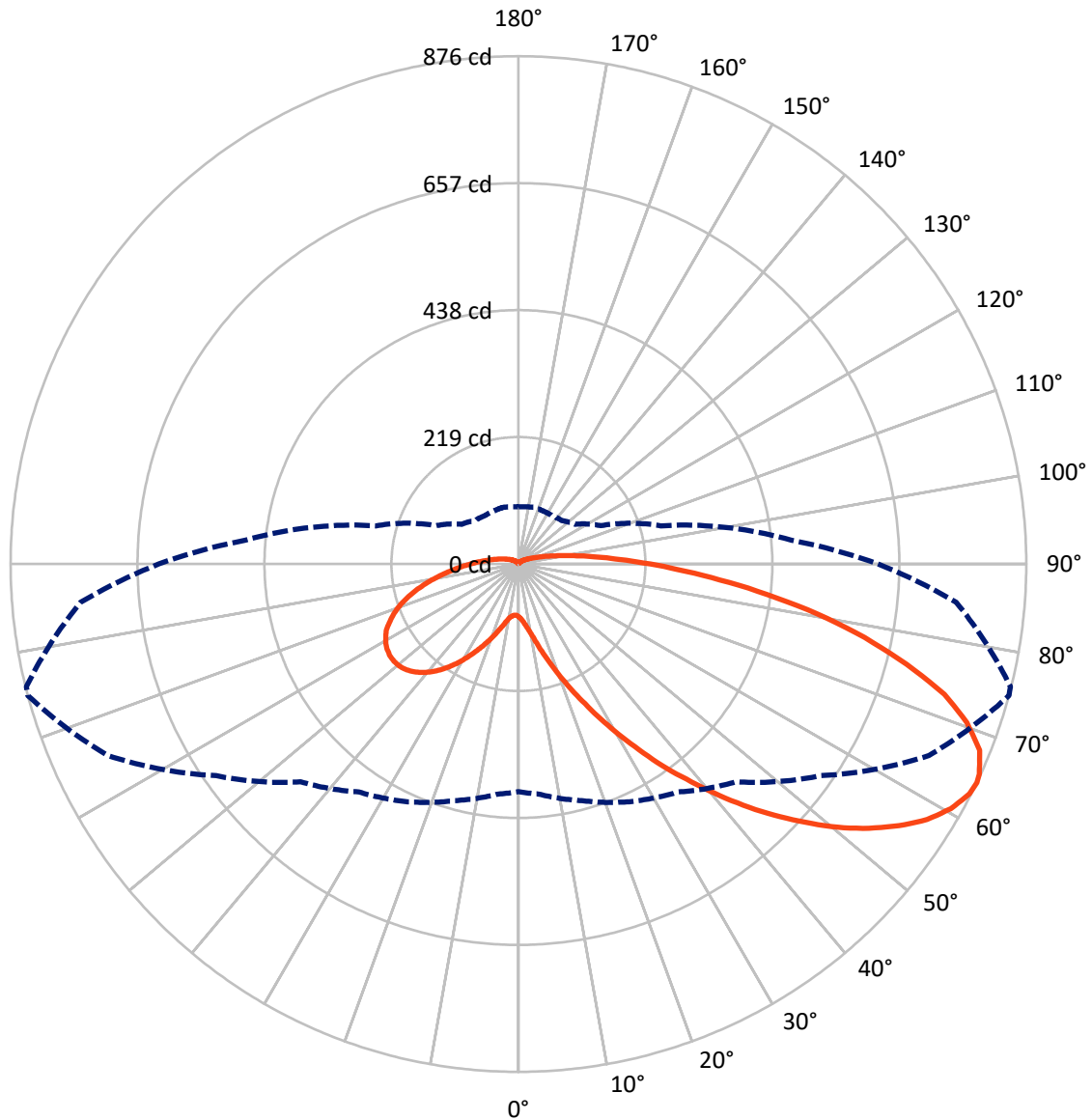


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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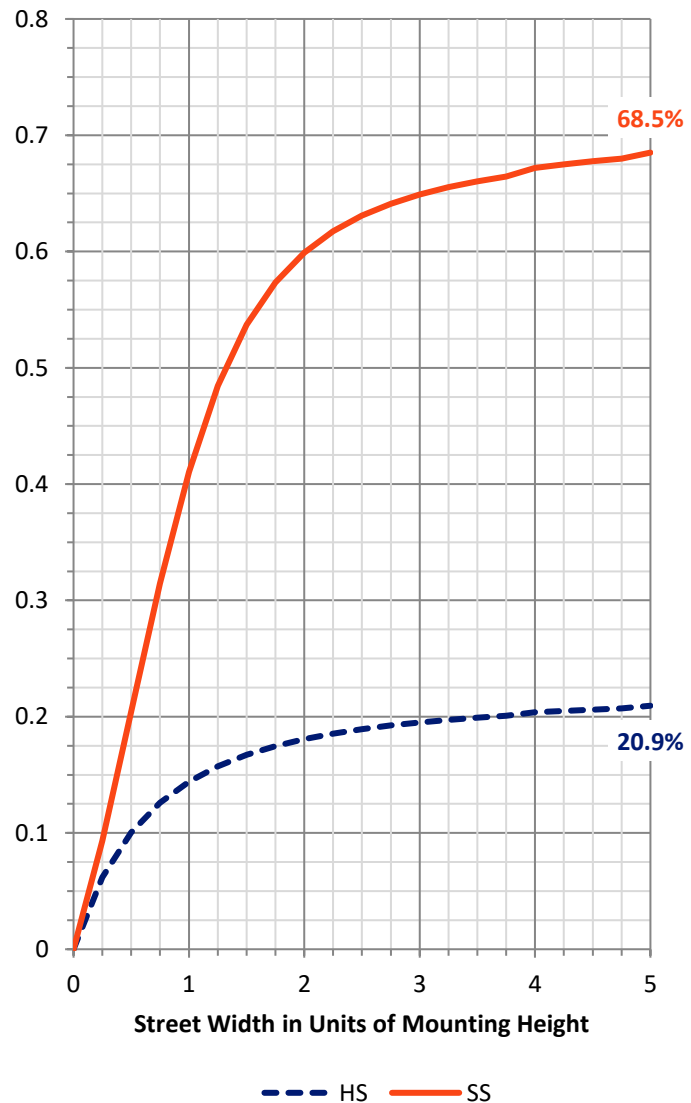
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.4	57.3	492.7
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	1394.0	87.2	1481.3
	% Fixture	70.6	4.4	75.0
Total	Lumens	1829.4	144.6	1974.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.5
10°-20°	39.8	2.0
20°-30°	100.8	5.1
30°-40°	197.4	10.0
40°-50°	307.1	15.6
50°-60°	376.6	19.1
60°-70°	366.1	18.5
70°-80°	276.1	14.0
80°-90°	155.9	7.9
90°-100°	73.5	3.7
100°-110°	35.5	1.8
110°-120°	18.6	0.9
120°-130°	10.0	0.5
130°-140°	4.9	0.2
140°-150°	1.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1829.4	92.7
0°-180°	1974.0	100.0



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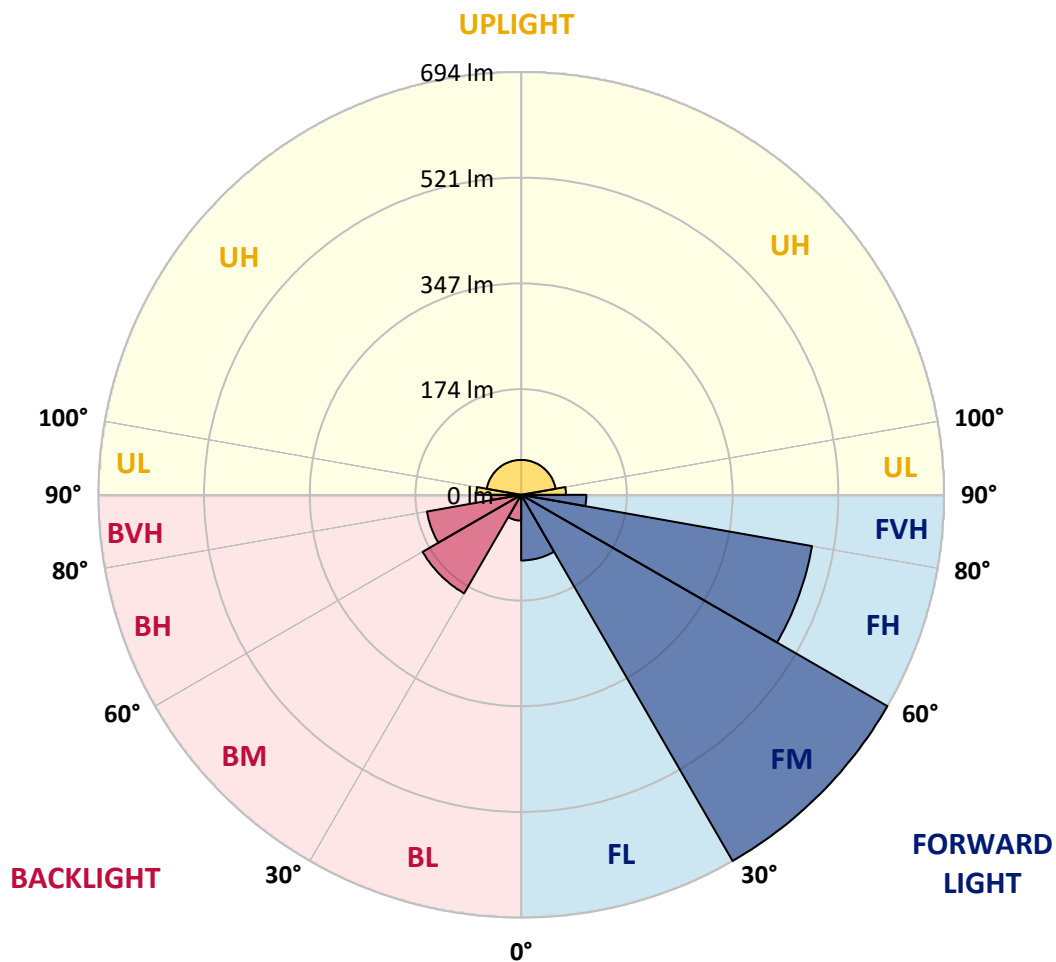
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.8	5.5			
FM	(30°-60°)	694.3	35.2			
FH	(60°-80°)	485.0	24.6			G0/660
FVH	(80°-90°)	106.9	5.4			G2/225
BL	(0°-30°)	42.4	2.1	B0/110		
BM	(30°-60°)	186.9	9.5	B0/220		
BH	(60°-80°)	157.2	8.0	B1/500		G1/500
BVH	(80°-90°)	49.0	2.5			G1/100
UL	(90°-100°)	73.5	3.7		U3/500	
UH	(100°-180°)	57.3	2.9		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2.5°	106.1	105.1	104.7	104.4	102.7	101.1	99.2	97.2	95.1	94.6	92.7
5°	122.6	121.4	121.0	119.5	117.1	114.2	110.2	106.3	101.6	101.8	97.5
7.5°	141.6	140.6	139.2	137.0	133.4	129.6	123.6	117.8	111.4	110.7	104.4
10°	163.1	162.4	161.0	157.6	153.0	146.6	140.6	132.0	122.9	122.4	113.3
12.5°	189.0	188.0	183.9	180.6	174.6	168.6	159.5	149.2	139.4	138.2	126.9
15°	218.2	216.8	213.9	208.6	202.1	192.3	182.7	172.4	159.5	157.4	144.2
17.5°	248.1	248.1	244.5	238.3	229.5	220.8	210.3	197.4	181.1	180.8	163.3
20°	285.7	285.3	279.7	270.6	261.8	252.7	240.0	225.4	207.2	205.5	184.2
22.5°	326.5	326.0	319.3	309.4	297.9	285.0	270.9	255.6	235.7	233.5	208.6
25°	370.5	370.3	363.3	348.2	333.6	321.4	306.8	289.8	266.8	266.3	236.4
27.5°	424.2	421.5	410.8	392.3	373.9	358.1	341.1	325.7	302.7	299.1	265.9
30°	475.9	474.5	459.9	440.0	414.6	393.8	376.5	364.8	341.1	337.7	300.3
32.5°	529.3	528.4	510.6	487.6	456.3	430.4	417.0	404.3	381.5	380.1	334.4
35°	588.5	584.6	564.3	532.7	496.3	467.3	455.3	449.6	427.0	421.8	371.7
37.5°	636.9	634.0	615.5	577.0	534.1	503.0	493.9	490.0	470.6	468.5	412.2
40°	683.6	681.4	658.9	617.2	568.4	537.2	528.1	534.6	519.0	515.7	452.9
42.5°	717.3	714.5	693.6	649.3	598.1	565.2	565.0	579.9	568.6	565.0	495.1
45°	737.5	734.6	717.3	674.7	621.3	589.7	595.2	621.3	617.9	613.6	533.6
47.5°	739.4	737.7	725.2	685.7	635.4	608.8	624.6	662.0	665.6	661.5	574.8
50°	721.9	723.6	715.7	684.3	640.4	621.3	648.6	700.6	713.7	708.9	615.8
52.5°	688.8	686.9	690.3	668.0	635.2	625.6	664.9	732.9	757.1	752.3	653.6
55°	633.7	635.2	646.9	638.5	618.7	620.6	674.7	758.5	796.4	792.5	687.9
57.5°	575.8	572.4	593.5	594.9	589.4	607.2	675.9	777.9	831.1	827.0	717.3
60°	499.9	508.0	526.9	543.2	552.8	584.9	668.0	788.0	856.5	855.3	741.0
62.5°	434.2	435.9	461.5	486.2	509.2	553.5	650.5	787.7	873.0	871.6	755.2
64°	392.6	398.1	422.3	452.2	479.7	531.0	636.1	781.0	875.6	874.4	757.6
65°	369.8	369.1	398.1	428.2	457.9	514.0	621.5	773.9	873.3	873.3	756.6
67.5°	307.3	309.7	335.1	369.8	406.4	469.0	584.2	748.2	857.4	859.1	742.7
70°	253.4	257.0	284.8	315.7	356.2	423.7	537.9	702.0	820.3	822.7	712.8
72.5°	209.1	213.2	233.5	264.7	309.4	376.0	485.7	644.0	767.9	768.8	662.7
75°	170.1	174.6	195.2	222.3	261.1	324.8	428.7	581.1	691.5	696.3	598.1
77.5°	138.4	143.2	162.1	186.6	223.5	277.8	372.2	508.2	610.3	613.1	524.0
80°	111.9	116.9	133.6	156.6	188.7	236.6	319.3	433.8	522.6	522.6	447.9
82.5°	90.8	95.1	110.2	130.1	159.3	199.8	268.3	360.5	432.1	432.3	370.0
85°	73.3	75.9	90.8	108.3	132.4	167.4	221.8	293.4	348.5	343.5	298.2
87.5°	58.9	61.3	73.8	90.8	109.9	139.6	182.0	238.8	274.0	275.7	238.1
90°	47.4	48.9	60.4	74.7	92.5	115.4	148.0	189.9	215.6	213.4	186.6
92.5°	38.6	40.2	50.1	63.0	77.8	97.0	121.9	150.4	166.9	167.4	145.9
95°	31.6	32.6	41.7	53.2	66.6	81.2	99.4	119.8	131.0	129.6	113.5
97.5°	26.3	26.8	35.2	45.5	56.5	68.5	82.9	95.3	101.6	100.6	88.9
100°	22.3	22.8	29.9	39.5	48.9	58.4	68.5	76.9	79.0	77.8	69.9
102.5°	19.4	19.6	25.6	34.2	42.2	50.1	57.0	62.3	62.0	62.0	55.3
105°	17.0	17.2	22.3	29.9	37.1	43.4	48.1	50.8	49.8	49.3	44.3
107.5°	15.3	15.6	19.6	26.3	32.8	37.6	41.2	41.9	40.0	39.5	35.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	13.9	13.9	17.2	23.2	29.0	32.8	35.2	35.2	32.3	32.1	29.7
112.5°	12.7	12.9	15.6	20.6	25.6	29.0	30.4	29.2	26.6	26.3	25.1
115°	11.7	12.0	13.9	18.4	22.8	25.6	26.3	24.7	22.0	21.8	20.8
117.5°	11.0	11.3	12.7	16.3	20.4	22.5	22.8	21.1	18.4	18.2	18.0
120°	10.5	10.5	11.7	14.6	18.0	19.9	19.6	18.0	15.8	15.6	15.6
122.5°	10.1	10.1	10.8	12.9	15.8	17.5	17.2	15.3	13.4	13.4	13.4
125°	9.6	9.6	10.1	11.7	14.1	15.3	14.8	13.2	11.5	11.5	12.0
127.5°	9.1	9.1	9.3	10.3	12.5	13.2	12.7	11.0	10.1	10.1	10.3
130°	8.6	8.6	8.6	9.3	10.8	11.3	10.8	9.3	8.6	8.6	9.1
132.5°	8.1	8.1	8.1	8.1	9.1	9.6	8.9	7.7	7.4	7.7	7.9
135°	7.7	7.7	7.4	7.2	7.7	7.9	7.2	6.5	6.5	6.5	6.9
137.5°	7.2	6.9	6.7	6.5	6.2	6.2	5.7	5.0	5.5	5.5	6.0
140°	6.5	6.2	6.0	5.5	5.0	4.8	4.3	4.1	4.6	4.6	4.8
142.5°	5.7	5.5	5.3	4.6	3.8	3.4	2.9	3.1	3.6	3.6	3.8
145°	4.8	4.8	4.3	3.6	2.9	2.4	1.9	2.2	2.6	2.6	2.9
147.5°	4.1	3.8	3.6	2.9	1.9	1.4	1.0	1.4	1.9	1.9	2.2
150°	3.1	2.9	2.6	1.9	1.2	0.5	0.5	1.0	1.2	1.2	1.4
152.5°	2.2	2.2	1.9	1.2	0.5	0.0	0.2	0.5	0.7	0.7	1.0
155°	1.4	1.2	1.0	0.7	0.2	0.0	0.0	0.2	0.5	0.5	0.5
157.5°	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2
160°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2.5°	91.5	90.5	88.4	86.5	84.5	82.9	81.9	80.7	80.5	80.2	80.2
5°	94.8	92.7	88.4	84.3	80.5	77.4	75.0	72.6	71.4	70.9	70.7
7.5°	100.6	97.2	90.3	84.1	78.3	73.5	69.7	66.8	65.1	64.2	63.9
10°	108.5	103.7	94.1	85.5	77.8	71.6	66.8	63.5	61.3	60.4	60.1
12.5°	121.0	113.3	101.3	89.1	79.0	71.4	65.9	62.3	61.3	60.4	60.4
15°	135.1	127.4	110.9	95.8	82.9	72.8	68.0	65.6	64.2	63.5	63.2
17.5°	153.3	141.6	121.7	103.0	87.7	78.1	71.9	69.2	67.8	67.1	66.8
20°	172.0	158.1	133.6	110.9	94.1	84.3	76.9	72.8	71.4	70.7	70.4
22.5°	194.2	177.5	146.1	119.3	101.6	90.1	81.7	76.9	75.2	74.5	74.7
25°	217.0	199.0	159.5	128.1	108.5	94.8	86.2	80.7	79.5	78.6	78.6
27.5°	244.8	220.8	173.2	138.2	114.5	99.2	90.3	84.8	82.6	82.6	82.4
30°	274.0	244.1	188.0	146.8	119.8	103.0	93.4	88.4	86.2	86.0	86.0
32.5°	302.5	269.0	202.6	155.4	123.8	105.6	96.3	91.5	88.9	88.6	88.9
35°	335.8	294.4	216.3	162.4	127.4	107.8	98.4	94.1	91.3	91.0	91.0
37.5°	367.4	320.5	229.5	167.9	129.8	109.2	100.1	96.3	93.2	92.9	92.7
40°	400.5	345.1	241.4	172.4	131.0	110.2	101.1	97.7	94.8	93.9	93.9
42.5°	434.0	370.0	251.5	175.1	131.7	110.4	101.8	98.7	96.0	94.4	94.4
45°	465.4	391.4	259.9	176.5	131.7	110.7	102.3	99.4	97.0	94.8	94.6
47.5°	499.9	412.9	266.3	176.8	131.0	110.2	102.5	100.1	97.5	95.1	94.8
50°	530.0	433.3	270.4	176.0	130.1	109.9	102.7	100.4	98.2	95.3	95.3
52.5°	556.6	449.6	272.3	174.1	128.9	109.5	102.7	100.8	98.9	95.8	95.6
55°	580.1	462.3	272.1	171.2	126.9	108.7	102.5	100.8	99.4	96.0	96.0
57.5°	600.2	471.1	269.9	167.9	125.0	108.3	102.5	101.1	99.9	96.8	96.8
60°	613.9	476.1	265.6	163.8	123.1	107.3	102.3	101.3	100.6	97.5	97.7
62.5°	620.3	475.4	258.9	159.5	121.0	106.3	101.8	101.1	100.8	98.4	98.4
64°	619.9	472.1	254.4	156.4	119.5	105.9	101.6	100.8	101.1	98.9	98.9
65°	616.7	467.3	249.6	154.0	118.3	105.4	101.1	100.6	101.1	98.9	98.9
67.5°	601.6	452.4	237.4	148.0	115.2	103.2	99.6	99.4	100.1	98.7	98.4
70°	571.7	429.0	224.2	140.4	111.4	100.8	97.5	97.2	98.2	97.0	96.5
72.5°	531.0	396.4	208.1	132.4	106.8	97.5	94.6	94.4	94.8	94.1	93.4
75°	479.7	358.1	190.2	123.6	101.8	93.2	90.5	90.1	90.8	89.8	89.3
77.5°	422.7	315.7	171.2	114.2	95.3	88.4	85.7	85.0	85.0	83.8	82.6
80°	360.0	272.3	152.3	104.7	88.6	82.4	80.2	79.3	78.6	76.6	75.4
82.5°	300.6	231.6	132.9	94.8	81.4	75.9	73.8	72.6	70.9	68.5	66.8
85°	244.5	192.8	115.2	84.3	74.2	69.0	67.3	65.1	63.0	60.4	58.2
87.5°	196.4	157.8	99.4	75.0	66.1	62.0	60.1	57.2	55.1	52.2	50.3
90°	155.9	129.3	85.0	65.9	58.9	55.3	53.7	50.8	47.7	44.5	42.9
92.5°	125.7	105.4	73.3	58.2	52.7	49.6	47.4	44.5	41.0	37.8	36.6
95°	99.9	85.3	62.5	51.5	46.7	43.8	41.7	39.0	35.2	31.6	30.7
97.5°	79.0	70.2	53.4	45.3	41.4	39.0	36.6	34.2	30.4	26.8	26.3
100°	63.5	57.0	45.7	40.0	36.6	34.5	32.6	29.9	26.3	22.5	22.5
102.5°	51.3	47.2	39.3	35.2	32.6	30.7	28.7	26.3	22.8	19.4	19.2
105°	41.9	39.0	33.8	31.1	29.0	27.5	25.6	23.0	19.6	16.5	16.3
107.5°	35.0	32.3	29.2	27.5	25.9	24.4	23.0	20.4	17.0	14.4	14.4



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CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.7	27.8	25.4	24.2	23.2	21.8	20.4	17.7	14.6	12.7	12.7
112.5°	24.4	23.5	22.3	21.6	20.6	19.6	18.0	15.6	12.7	11.3	11.3
115°	20.6	20.1	19.4	18.9	18.4	17.5	15.8	13.4	10.8	9.8	10.1
117.5°	18.0	17.7	17.2	17.0	16.5	15.3	13.9	11.7	9.3	8.9	8.9
120°	15.6	15.6	15.1	15.1	14.6	13.7	12.0	10.1	8.1	7.9	7.9
122.5°	13.7	13.7	13.4	13.4	12.9	12.0	10.5	8.6	6.9	6.9	7.2
125°	12.0	12.0	11.7	11.7	11.5	10.5	9.1	7.4	6.2	6.2	6.2
127.5°	10.5	10.5	10.5	10.3	9.8	9.1	7.7	6.2	5.5	5.5	5.5
130°	9.3	9.3	9.1	9.1	8.6	7.7	6.5	5.3	4.6	5.0	5.0
132.5°	8.1	8.1	8.1	7.7	7.2	6.5	5.3	4.3	4.1	4.3	4.3
135°	6.9	7.2	6.9	6.7	6.2	5.3	4.3	3.6	3.6	3.8	3.8
137.5°	6.0	6.0	6.0	5.5	5.0	4.3	3.4	2.9	3.1	3.4	3.4
140°	5.0	5.0	4.8	4.6	4.1	3.4	2.6	2.2	2.6	2.9	2.9
142.5°	4.1	4.1	3.8	3.6	2.9	2.4	1.7	1.7	2.2	2.4	2.4
145°	3.1	3.1	2.9	2.6	2.2	1.4	1.2	1.4	1.9	1.9	1.9
147.5°	2.2	2.2	2.2	1.7	1.2	0.7	0.5	1.0	1.4	1.4	1.7
150°	1.4	1.4	1.4	1.2	0.7	0.2	0.2	0.7	1.0	1.2	1.2
152.5°	1.0	1.0	1.0	0.7	0.5	0.0	0.0	0.5	0.7	0.7	0.7
155°	0.5	0.5	0.5	0.5	0.2	0.0	0.0	0.2	0.5	0.5	0.5
157.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.5	0.2	0.2
160°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)